

Computational biologist/Expert I Data Science (80-100%)

Job ID
REQ-10064113

11月 20, 2025

Switzerland

摘要

Novartis is unable to offer relocation support for this role: please only apply if this location is accessible for you.

Location: Basel, Switzerland
#LI-Hybrid (12 days/month in office)

Join a team that's transforming cancer care through radioligand therapy (RLT)—a cutting-edge approach delivering targeted radiation directly to cancer cells. As a Computational Biologist/Expert I in Data Science, you'll help translate complex molecular data into real-world breakthroughs, driving target identification, drug development, and biomarker discovery. Your insights will shape the future of oncology, contributing to therapies that could impact millions of lives globally.

About the Role

Key Responsibilities:

- Collaborate with cross-functional teams of biologists, chemists, and data scientists to support drug discovery efforts focused on novel cell surface targets for radioligand therapy.
- Analyze and interpret high-dimensional biological data, such as NGS, spatial transcriptomics, and high-throughput screens, to inform experimental design and target selection.
- Apply bioinformatics and machine learning techniques to enable identification of therapeutic targets, biomarkers, and mechanisms of action relevant to RLT.
- Mine and integrate diverse datasets, including public repositories and real-world clinical data, to generate actionable insights.
- Develop and refine analytical workflows and visualization tools to support emerging technologies and communicate complex findings effectively.
- Present key findings to diverse scientific audiences, contributing to collaborative decision-making and project advancement.

Essential Requirements

- M.Sc. in bioinformatics, computer science or related field, with two years of relevant experience.
- Proficiency in Python or R for bioinformatics applications; experience with UNIX/Linux environments.
- Demonstrated expertise in processing and visualizing complex multidimensional omics datasets, encompassing transcriptomics and single-cell data.
- Familiarity with version control and reproducible workflow practices. Knowledge of cancer genomics, proteomics or immuno-oncology is advantageous.
- Strong communication skills and ability to explain complex concepts to diverse audiences. Fluency in English (oral and written)

Commitment to Diversity and Inclusion: Novartis is committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career opportunities, join the Novartis Network here: <https://talentnetwork.novartis.com/network>

Accessibility and accommodation: Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to inclusion.switzerland@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? <https://www.novartis.com/about/strategy/people-and-culture>

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部门

Biomedical Research

Business Unit

Research

地点

Switzerland

站点

Basel (City)

Company / Legal Entity

C028 (FCRS = CH028) Novartis Pharma AG

Functional Area

Data and Digital

Job Type

Full time

Employment Type

Regular

Shift Work

No

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